

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 99,743)

#9/a
chN
PATENT
10-21-00

In application of:

Serial No.	Li et al. <i>33</i> 09/458,553)
Filed:	December 9, 1999)
For:	Reporterless Genosensors using Electrical Detection Methods)

Before the Examiner:
B. Sisson

Group Art Unit: 1655

Official
16/17/00
A. f. 8.

RESPONSE TO THE OFFICIAL ACTION
MAILED MAY 17, 2000

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Official Action mailed May 17, 2000, Applicants respectfully request reconsideration of the above-identified application in light of the following amendments and remarks.

AMENDMENTS

IN THE CLAIMS:

Please amend the following claims:

2. (Amended) An apparatus for electrical detection of molecular interactions between an immobilized oligonucleotide probe and a target nucleic acid molecule, comprising:

- (a) a supporting substrate comprising ceramic, glass, silicon, fabric, or plastic,
- (b) a plurality of microelectrodes in contact with the supporting substrate,
- (c) a plurality of conjugated polymer films in contact with the microelectrodes and to which oligonucleotide probes are immobilized,
- (d) at least one counter-electrode in contact with the supporting substrate,
- (e) a means for producing electrical impedance at each microelectrode,

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 99,743)

#8448

10-21-00

PATENT

In application of:**Li et al.****Serial No.****Filed:****For:**

533

09/458,553

December 9, 1999

Reporterless Genosensors using
Electrical Detection Methods**Before the Examiner:****B. Sisson****Group Art Unit: 1655****TRANSMITTAL LETTER**Official
10/17/00
B.Y.D.Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In regard to the above-identified application:

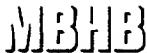
1. We are transmitting herewith the attached
 - a. Response to Official Action
 - b. Petition for Extension of Time
2. With respect to additional fees:
 - a. An additional fee of \$390.00 is required.
3. Please charge the full amount of any required fee, or credit any overpayment to Deposit Account No. 13-2490.
4. The undersigned hereby certifies that this Transmittal Letter and this paper, as described in paragraph 1 herein above, are being sent via facsimile transmission to the telephone number on the accompany Facsimile Transmittal Sheet, addressed to: Examiner B. Sisson, Group Art Unit 1655, c/o Assistant Commissioner of Patents, Washington, D.C. 20231 on this 17th day of October 2000.

By:

Kevin E. Noonan, Ph.D.
Reg No. 35,303

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TO:	EXAMINER B. SISSON	FROM:	KEVIN E. NOONAN
COMPANY:	U.S. PATENT AND TRADEMARK OFFICE, GROUP ART UNIT 1655	DATE:	October 17, 2000
FAX NUMBER:	(703) 308-7230 - 8724	FIRM CODE:	
PHONE NUMBER:	(703) 308-3978	NO. OF PAGES:	8 (including cover page)

RE: RESPONSE TO THE OFFICIAL ACTION MAILED MAY 17, 2000
U.S. PATENT APPLICATION SERIAL NO. 09/458,533
FILED DECEMBER 9, 1999
OUR CASE NO. 99,743

NOTES/COMMENTS:

Please deliver to Examiner Sisson as soon as possible.

Certificate of Facsimile Transmission: The undersigned attorney hereby certifies by his signature below that the foregoing papers as described in Paragraph 1 of the accompanying Transmittal Letter was sent by facsimile to the above-identified telephone number on Tuesday the 17th day of October 2000.



Kevin E. Noonan
Reg. No. 35,303

Please notify Susan Anaszewicz (312/913-0001, ext. 2152) if all pages are not received.